# **Preface**

The state of North Carolina administers scores of programs that influence regional and local growth. From building highways to financing new sewage treatment systems, the state influences the location, type, pace and amount of growth that occurs. In addition, it also administers programs that can reduce the adverse impacts of growth, such as transportation demand management and the water supply watershed protection.

Many state programs compliment each other. For example, the conservation reserve, wetlands restoration, and the natural heritage inventory programs share similar objectives. Others, however, may work at cross-purposes. For the first time, the state is examining how each of its programs, individually and in concert with other programs, affects growth, and how these programs could be used to enhance the quality of growth at the local level.

In early 1999, representatives from four state agencies—(1) Environment and Natural Resources, (2) Transportation, (3) Commerce, and (4) Crime Control and Public Safety—established the Quality Growth Task Force. As a first step, the task force set out to investigate how state government programs and investments influence the quality of growth in North Carolina. It surveyed administrators of programs within the four agencies to determine the nature and extent of each program's influence on urban growth. This inventory is based on the results of that survey.

The purpose of the inventory is to:

- Summarize briefly the state programs that influence growth,
- Identify those programs with the strongest influence,
- Examine the nature of that influence, and
- Highlight areas where state agencies could work together to promote smart growth.

The inventory could facilitate greater coordination and communication across agencies and help ensure that major growth-shaping investments by the state will lead to smarter growth statewide.

The inventory is organized by functional area, rather than by department or division. This approach should make it easier to identify interrelationships or links among programs across different departments. Thus, programs from the Department of Environment and Natural Resources, for example, can be found in several functional areas. Similarly, programs administered by the Department of Transportation are listed in several different categories.

The eight functional areas of the inventory are (1) Construction and Development, (2) State Financial Assistance, (3) Planning and Management, (4) Information and Technical Assistance, (5) Resource Management, (6) Regulatory/Permitting, (7) Licensing and Standards, and (8) Environmental Health.

Given the sheer number of state programs, the inventory includes only a brief summary of each one. The summary provides a short description of the program, its impact on growth, links to other programs and a contact person. Although some programs serve several functions, each was placed in only one category based on its primary function.

The degree of influence of state programs varies considerably. Some, such as the highway construction program, exert a strong impact on growth, while others, such as the navigational aids enhancement or tourist oriented signing programs exert only moderate influence. The index provides an alphabetical list of all state programs included in the inventory plus a list of those that were excluded. Finally, a matrix showing state programs with the greatest influence on growth and the nature of that influence can be found in the Appendix.

# Table of Contents

PREFACE		i
CONSTRUC	CTION AND DEVELOPMENT	1
•	Bridge Repair/Replacement Program	
	Brownfields	
•	Building Highways	
•	Global Transpark	
•	Historic Rail Station Rehabilitation, New Stations, and Multimodal Facilities	
	Main Street Program	
•	Passenger Rail (system improvements and new stations)	
•	Redevelopment of RCRA-permitted Sites	
•	Small Cities Community Development Block Grants	
•	State Development Zones	
•	Transportation Improvement Program	
STATE FINA	ANCIAL ASSISTANCE	8
	Flood Mitigation Assistance Program	
•	Hazard Mitigation Grant Program	
•	Hazard Mitigation Planning Initiative	
•	Historic Preservation Grants	
•	Historic Preservation Tax Incentives	
•	Industrial Development Fund	
•	Industrial Revenue Bonds	
•	Local Park Planning and Funding	
•	Local Planning and Management Grant Program	
•	Public Beach and Coastal Waterfront Access	
•	Rail Industrial Access	
•	Rural Rehabilitation Corporation	
•	Small Urban/Statewide Contingency Program	
•	State Aid to Airports Program	
•	State Clean Water Revolving Loan and Grant Program, State Bond	t
	Fund, & Federal Clean Water State Revolving Fund	
•	TIP Enhancement Funding (bicycle and pedestrian projects)	
•	Urban Transit	
PLANNING	AND MANAGEMENT	19
•	Airport Systems Plan	
•	Bicycle and Pedestrian Transportation	
	Incidental Bicycle/Pedestrian Accommodations in Highway Project	:S

	National Flood Insurance Program Solid Waste Capacity/Waste Reduction TIP Plan Review Process Transportation Demand Management Transportation Plans and Corridor Protection Maps Transportation Planning	
INFORMAT	ION AND TECHNICAL ASSISTANCE	24
•	Conservation Easement Program	
•	Historic Property Survey and Registration	
•	Historic Resources Protection	
•	Historic Preservation Technical Assistance to Local Government	
•	Intergovernmental Review Process	
•	Recycling Business Assistance Center	
•	Municipal and School Transportation Assistance	
•	Municipal Compliance Initiative (STP audits)	
•	Pollution Prevention and Environmental Assistance	
•	Recycling Business Assistance Center	
•	Restoration Technical Services	
•	State Trails Program	
•	Walkable/Livable Communities Initiatives	
RESOURCE	MANAGEMENT	31
	Conservation Reserve Program	
•	Conservation Tax Credit Program	
•	Farmland Preservation	
	Neuse River Sensitive Waters Management Strategy	
•	Natural Heritage Inventories	
•	State Forest System	
•	State Parks System	
REGULATO	PRY/PERMITTING	35
	Ambient Air Quality Standards Program	55
	CAMA Permitting Program	
•	Capacity Development/System Viability (water systems)	
•	PSD Program (air quality)	
	Water Supply Watershed Protection Program	
	Traco. Supply Tracolonia i Totostion i Togram	

LICENSING	Certified Industrial Sites Subdivision Minimum Design Standards (for roads)	38
ENVIRONM	Hazardous Waste Reduction Inactive Hazardous Waste Sites and Old Landfill Programs On-site Wastewater Program Source Water Assessments Wetlands Restoration Program	39
INDEX	State Programs Included in the Inventory State Programs Excluded from the Inventory	42
APPENDIX		45

# Construction and Development

## Bridge Repair/Replacement Program

**Program Description** 

Builds new bridges and repairs, expands, or replaces old ones.

#### Impact on Growth

By providing access, increasing capacity or shortening commuting times, the construction of new bridges or expansion of existing ones, like the construction of highways, facilitates development of the areas they serve.

## Links to Other Programs

Building Highways, Transportation Improvement Program, Small Urban/Statewide Contingency Program, Urban Transit, TIP Enhancement Funding, Intelligent Transportation Systems, Transportation Plans and Corridor Protection Maps, Transportation Demand Management

Contact
Douglas Waters
NCDOH-Division 9
336-761-2200
Dwaters@dot.state.nc.us

#### **Brownfields**

Program Description

A program that seeks to redevelop old, primarily industrial sites by combining site cleanup, land use controls and liability protection to make the site more attractive for development.

### Impact on Growth

By stimulating development of vacant, underutilized properties in urban areas, the program may reduce pressure for development in "greenfield" sites.

## Links to Other Programs

Inactive Hazardous Waste Sites, Urban Transit, Pollution Prevention and Environmental Assistance, Walkable/Livable Communities Initiatives, TIP Funding, Historic Rail Station Rehabilitation.

Contact
Jack Butler
DENR
919-733-2801, ext. 293
Butler@wastenot.enr.state.nc.us

## **Building Highways**

Program Description Builds highways.

## Impact on Growth

The construction of highways facilitates development along the highway, on interchanges and frontage roads, and in nearby areas with easy access to the highway.

## Links to Other Programs

Transportation Improvement Program, Small Urban/Statewide Contingency Program, Urban Transit, TIP Enhancement Funding, Intelligent Transportation Systems, Transportation Plans and Corridor Protection Maps, Transportation Demand Management

Contact

Len Hill

DOT: Preconstruction

919-733-9425

lenhill@dot.state.nc.us

### **Global Transpark**

**Program Description** 

Provides a one-stop transportation oriented industrial park for both production and distribution.

#### Impact on Growth

Could promote the establishment and growth of industrial development within the park as well as residential and commercial development adjacent to the park.

## Links to Other Programs

State Aid to Airports Program, Rail Industrial Access, Industrial Development Fund, Industrial Revenue Bonds.

Contact

**Bruce Matthews** 

DOT: Aviation

919-571-4904

Bmatthews@dot.state.nc.us

# Historic Rail Station Rehabilitation, New Stations, and Multimodal Facilities

Program Description

Provides planning and funding for the rehabilitation of historic rail stations as well as the development of new stations and multimodal facilities.

#### Impact on Growth

The rehabilitation or construction of rail stations can stimulate development of higher density, walkable, transit-oriented, residential and commercial projects that are less reliant on the automobile. These typically are in urban centers, and thus, can become a focal point for downtown revitalization efforts.

## Links to Other Programs

Transportation Improvement Program, Walkable/Livable Communities Initiatives, Passenger Rail (system improvements and new stations), Commuter Rail.

Contact
Patrick Simmons
DOT: Rail Division
919-733-4713, ext. 263
psimmons@dot.state.nc.us

## Main Street Program

**Program Description** 

The Main Street program provides technical assistance to communities under 50,000 population that are interested in downtown revitalization and development. The program helps facilitate the development of a community vision and a plan of action. In addition, basic design help is given to property owners to encourage reinvestment.

### Impact on Growth

The Main Street program reduces the opportunity for sprawl by promoting economic development in downtowns that already have infrastructure in place. Compact development begins with an economically healthy and vibrant downtown. Economic forces that contribute to sprawl, such as Big Box retailing, are the antithesis of downtown development and redevelopment. Any Smart Growth/anti sprawl program must include a strong downtown and central city rebuilding program.

The State Development Zone program (see separate description) will help promote downtown development. Brownfields redevelopment will also have an impact on downtown areas. This is already happening in Charlotte.

## Links to Other Programs

Brownfields, Historic Rail Station Rehabilitation, New Stations, and Multimodal Facilities, Transportation Improvement Program, Walkable/Livable Communities Initiatives, Commuter Rail, TIP Enhancement Funding (bicycle and pedestrian projects) Bicycle and Pedestrian Master Plans, Urban Transit.

Contact
Rodney Swink
Department of Commerce
(919) 733-2850
rswink@dca.commerce.state.nc.us

## Passenger Rail (system improvements and new stations)

**Program Description** 

The State of North Carolina sponsors two Amtrak-operated passenger trains, the Piedmont and Carolinian. The Piedmont makes daily round trips between Raleigh and Charlotte while the Carolinian makes daily roundtrips between Charlotte and New York City. In addition to sponsoring these two trains, the state also builds new and refurbishes old train stations.

#### Impact on Growth

Existing intercity trains and anticipated extensions and commuter services enhance mobility and access to work. Improving the passenger rail system could spur new and higher density development adjacent to the stations and encourage more people to commute by rail, rather than by car.

## Links to Other Programs

Historic Rail Station Rehabilitation, New Stations, and Multimodal Facilities, Transportation Improvement Program, Walkable/Livable Communities Initiatives, Commuter Rail.

Contact
Patrick Simmons
DOT: Rail Division
919-733-4713, ext. 263
psimmons@dot.state.nc.us
Website: www.bytrain.org

## **Redevelopment of RCRA-permitted Sites**

**Program Description** 

The program facilitates the redevelopment of RCRA-permitted hazardous waste sites by, among other things, improving permit processing.

## Impact on Growth

By helping to prepare industrial sites for redevelopment, the program could attract new industries to existing, underutilized sites, thus reducing pressure on "greenfield" sites.

## Links to Other Programs

Inactive Hazardous Waste Sites, Pollution Prevention and Environmental Assistance, Brownfields.

Contact

Jill Burton Acting Chief, Hazardous Waste Section DENR 919-733-2178, ext. 219

burtonje@wastenot.enr.state.nc.us

# Small Cities Community Development Block Grants (CDBG)

Program Description

The Division of Community Assistance and the Commerce Finance Center administer Community Development Block Grants to local governments, primarily to benefit low and moderate income persons. Funding is provided for infrastructure, housing, and economic development.

#### Impact on Growth

Location of projects funded by CDBGs, especially infrastructure, could have a significant impact on the location of future growth in a community and could promote sprawl if funding is provided to extend infrastructure into unserved areas.

## Links to Other Programs

Main Street Program, Walkable/Livable Communities Initiatives, State Clean Water Revolving Loan and Grant Program, State Bond Fund, & Federal Clean Water State Revolving Fund.

Contact
Gloria Nance-Sims
Department of Commerce/Division of Community Assistance
919-733-2850
Gnsims@dca.commerce.state.nc.us

## **State Development Zones**

**Program Description** 

This program provides for the designation of State Development Zones. Municipalities containing areas that meet certain criteria may apply to have these areas designated as development zones. Eligible businesses expanding or locating within these zones will receive certain tax credits. Some CDBG funding may also be tied to development zone designation.

## Impact on Growth

The program could promote sprawl to the degree that designated development zones extend into suburban areas and include significant amounts of land not currently served by water, sewer and other infrastructure. Recommended revisions relating to criteria for designations are currently being formulated that will reduce the amount of suburban areas that can be designated as part of a development zone. Revisions may also give higher tax credit incentives in higher poverty areas and require municipalities to prepare and carry out strategies for focusing economic development in inner city areas.

#### Links to Other Programs

Industrial Development Fund, Brownfields, Redevelopment of RCRA-permitted Sites, Transportation Improvement Program, Walkable/Livable Communities Initiatives, Urban Transit.

Contact
Susan Suggs
Department of Commerce
919-733-2850
ssuggs@dca.commerce.state.nc.us

## **Transportation Improvement Program**

Program Description

A seven-year capital improvement budget for the state's transportation system that covers most major state and federal funding categories, including highways, aviation, rail, transit, bicycle and pedestrian and the governor's highway safety program.

## Impact on Growth

Building new facilities, or expanding the capacity of existing ones, serves existing development and facilitates new development.

## Links to Other Programs

TIP Plan Review Process, Building Highways, Small Urban/Statewide Contingency Program, Urban Transit, TIP Enhancement Funding, Intelligent Transportation Systems, Transportation Plans and Corridor Protection Maps, Transportation Demand Management

Contact Calvin Leggett

DOT: Planning and Programming

919-733-2031

Cleggett@dot.state.nc.us

## State Financial Assistance

## Flood Mitigation Assistance Program

**Program Description** 

A grant program that purchases repetitively flooded homes and provides funding to undertake land use planning activities to reduce future flood losses.

## Impact on Growth

Through land use planning and the purchase of repetitively-flooded homes, the program can reduce a community's vulnerability to floods and steer development away from food-hazard areas. The program influences the location of growth.

## Links to Other Programs

Hazard Mitigation Planning Initiative, Hazard Mitigation Grant Program, Federal Clean Water State Revolving Fund, State Clean Water Revolving Loan and Grant Program, Local Planning and Management Grant Program, CAMA Permitting Program.

Contact
Dr. Gavin Smith
DEM
919-715-9196
dfo.gsmith@ncem.org

## **Hazard Mitigation Grant Program**

Program Description

Provides post-disaster funding, following a Presidentially Declared Disaster, to local governments to implement disaster mitigation measures. The funding is used for activities such as moving or elevating homes in repetitively-flooded areas.

## Impact on Growth

Moving or elevating homes out of harm's way reduces vulnerability to floods and enhances a community's sustainability. In addition, moving homes out of the floodplain or purchasing vacant lots in flood-hazard areas provides open space for parks or greenways.

## Links to Other Programs

Hazard Mitigation Planning Initiative, Flood Mitigation Assistance Program, Federal Clean Water State Revolving Fund, State Clean Water Revolving Loan and Grant Program, Local Planning and Management Grant Program, CAMA Permitting Program.

Contact
Dr. Gavin Smith
DEM
919-715-9196
dfo.gsmith@ncem.org

## **Hazard Mitigation Planning Initiative**

Program Description

A state-wide project that assists local governments in developing land use plans that reduce future hazard-related losses by encouraging development outside of natural hazard areas such as floodplains and storm surge areas.

### Impact on Growth

Enhances the sustainability of communities by steering growth away from natural hazard areas. May reduce growth in such areas.

## Links to Other Programs

Hazard Mitigation Grant Program, Flood Mitigation Assistance Program, Federal Clean Water State Revolving Fund, State Clean Water Revolving Loan and Grant Program, Local Planning and Management Grant Program, CAMA Permitting Program.

Contact
Dr. Gavin Smith
DEM
919-715-9196
dfo.gsmith@ncem.org

#### **Historic Preservation Grants**

**Program Description** 

Administer a program of subgrants available through the National Park Service's Historic Preservation Fund and state grants, as they are available.

## Impact on Growth

The grants program spurs survey and registration activities and restoration work. The result is that historic properties are identified and preserved. Thus sprawl is reduced because community infrastructure is conserved. As federal grants are small and state grants inconsistently appropriated, their effectiveness is muted.

## Links to Other Programs

Survey and registration, restoration technical assistance, planning assistance to local government, and Main Street.

Contact

Linda Harris Edmisten DCR: State Historic Preservation Office 919/733-4763 hpo@ncsl.dcr.state.nc.us

#### **Historic Preservation Tax Incentives**

Program Description

Review and process applications for federal and state income tax credits for the rehabilitation of historic properties.

## Impact on Growth

The tax incentives are extremely effective in steering private sector funding and effort into the rehabilitation of historic structures. By assuring the annual recycling of hundreds of historic structures, the tax credits stimulate the stabilization and revival of older neighborhoods and business districts. The retention and reuse of older building stock deflates pressures for sprawl.

## Links to Other Programs

Survey and registration, restoration technical services, planning assistance to local government, Main Street.

Contact

Al Honeycutt Jr.

DCR: State Historic Preservation Office

919/733-6547

hpo@ncsl.dcr.state.nc.us

## **Industrial Development Fund**

**Program Description** 

This fund provides incentives for job creation in the state's most economically distressed counties (Tier 1,2 and 3 areas). Within the Industrial Development Fund is the Utility Fund. This fund provides grants to assist local governments in Tier 1 counties to create jobs. Grants can be used only for construction of, or improvements to, new or existing water, sewer, gas or electrical lines.

## Impact on Growth

The program could promote sprawl if it provides funding for extension of water, sewer and other infrastructure to unserved areas. To encourage more compact development and more efficient use of existing infrastructure, the program could place a priority on funding locations within existing urban areas already served by water and sewer and other infrastructure or areas defined in local land use plans, capital improvement programs or growth management plans.

## Links to Other Programs

Federal Clean Water State Revolving Fund, State Clean Water Revolving Loan and Grant Program, Local Planning and Management Grant Program, Transportation Improvement Program, Walkable/Livable Communities Initiatives.

Contact
Stewart Dickinson
Department of Commerce
919-715-6560
dickinss@mail.commerce.state.nc.us

Charles Johnson
Department of Commerce
919-715-6558
Cjohnson@mail.commerce.state.nc.us

### **Industrial Revenue Bonds**

**Program Description** 

These funds are used to assist new and expanding industry. Regulations concerning bond issuance are a combination of federal regulation and state statutes.

#### Impact on Growth

The program could promote sprawl if it provides funds for locations that require extensions of water, sewer and other infrastructure. To the degree that funds help renovate older buildings, the program lessens sprawl. To encourage more compact development and more efficient use of existing infrastructure, the program could place a priority on funding locations within existing urban areas already served by water and sewer and other infrastructure. Ultimately, the program is driven by demand and controlled by the state's Tax Allocation Committee.

## Links to Other Programs

Brownfields, Rail Industrial Access, Recycling Business Assistance Center, Pollution Prevention and Environmental Assistance, Hazardous Waste Reduction, Local Planning and Management Grant Program, Transportation Improvement Program, Walkable/Livable Communities Initiatives.

Contact
Stewart Dickinson
Department of Commerce
919-715-6560.
Dickinss@mail.commerce.state.nc.us

Jane Goswick
Department of Commerce
919-733-3735
Jgoswick@mail.commerce.state.nc.us

## Local Park Planning and Funding

Program Description

Provides grants and planning assistance to local governments for the creation of parks and recreation facilities.

## Impact on Growth

The creation of parks and recreational facilities enhances quality of life and urban livability. It influences local land use patterns and property values and protects environmentally sensitive areas from development.

Links to Other Programs
State Parks System, Local Planning and Management Grant Program,
Conservation Easement Program, Wetlands Restoration Program.

Contact
Carol Tingley
DENR/Parks & Recreation
919-715-8691
Carol\_Tingley@mail.enr.state.nc.us

## **Local Planning and Management Grant Program**

Program Description

Provides financial and technical assistance to local governments for the development and update of local land use plans for the purpose of guiding future development in the community. Plans are in place for the 20 coastal counties and 72 municipalities therein. The program also provides funds to local governments for the development or update of local planning tools, such as zoning ordinances, growth management plans, and stormwater management plans.

## Impact on Growth

The use of land use plans and the planning tools can be used to promote quality growth.

#### Links to Other Programs

Local Park Planning and Funding, State Parks System, Hazard Mitigation Planning Initiative, Flood Mitigation Assistance Program, Hazard Mitigation Grant Program, National Flood Insurance Program.

Contact
Caron Whitaker
DENR
Coastal Management
252-808-2808
caron.whitaker@ncmail.net

#### **Public Beach and Coastal Waterfront Access**

**Program Description** 

The program provides financial and technical assistance to local governments in the 20 coastal counties to purchase waterfront property and construct low-cost facilities to improve pedestrian access to beaches and coastal waterfronts.

### Impact on Growth

The program can lessen sprawl by revitalizing underutilized urban waterfronts (e.g., past projects include Wilmington, New Bern, Columbia and Bayboro).

## Links to Other Programs

Hazard Mitigation Planning Initiative, Hazard Mitigation Grant Program, National Flood Insurance Program, CAMA Permitting Program, Walkable/Livable Communities Initiatives

Contact
Mike Lopazanski
DENR
Coastal Management
919-733-2293
mike.lopazanski@ncmail.net

#### Rail Industrial Access

**Program Description** 

The program uses state funds to help finance construction of rail spur tracks or sidings necessary to connect industries to the rail system.

### Impact on Growth

By paying part of the costs of rail improvements, the program encourages new industries to locate, or existing industries to expand, near rail lines. This can encourage job growth in small towns. It also encourages and allows industry to ship by rail, thereby reducing the number of trucks on our highways.

## Links to Other Programs

Historic Rail Station Rehabilitation, New Stations, and Multimodal Facilities, Passenger Rail (system improvements and new stations), Urban Transit, Commuter Rail, Brownfields.

Contact
Patrick Simmons
DOT: Rail Division
919-733-4713, ext. 263
psimmons@dot.state.nc.us

## **Rural Rehabilitation Corporation**

**Program Description** 

Continues the small, family-owned farms loan program to provide loans to farms having difficulty in obtaining affordable conventional loans from other sources.

Impact on Growth

Encourages the preservation of small, family-owned farms.

Links to Other Programs

Farmland Preservation, Conservation Easement Program, Conservation Reserve Program.

Contact

Maurice Weaver
NCDA&CS: Fiscal Management
919-733-7314
maurice.weaver@ncmail.net

## Small Urban/Statewide Contingency Program

**Program Description** 

Provides technical assistance and funding for small transportation projects that promote safety, efficiency and greater capacity.

Impact on Growth

To the extent that the program leads to greater capacity of roads, it could facilitate new development.

## Links to Other Programs

Transportation Improvement Program, Building Highways, Urban Transit, TIP Enhancement Funding, Intelligent Transportation Systems, Transportation Plans and Corridor Protection Maps, Transportation Demand Management.

Contact
Douglas Waters
NCDOH-Division 9
336-761-2200
Dwaters@dot.state.nc.us

## State Aid to Airports Program

**Program Description** 

Distributes federal and state funds to local airports in North Carolina.

## Impact on Growth

Through the distribution of funds, the program directly affects the scope of development of local airports, and indirectly affects the development of business and industries that serve or are served by the airports.

Links to Other Programs Global Transpark

Contact
Bruce Matthews
DOT: Aviation
919-571-4904
Bmatthews@dot.state.nc.us

# State Clean Water Revolving Loan and Grant Program, State Bond Fund, Federal Clean Water State Revolving Fund

**Program Description** 

The three programs provide low interest loans and grants to local government for construction or expansion of wastewater treatment plants.

## Impact on Growth

By providing grants and loans, the program facilitates the expansion of wastewater treatment systems, which encourages growth by allowing additional service connections to be made. The newly passed bond referendum is providing additional grants and loan money that will make additional facility expansion possible.

## Links to Other Programs

Local Planning and Management Grant Program, On-site Wastewater Program.

Contact
Jessica Miles
DENR
919-715-3232
jessica\_miles@mail.enr.state.nc.us

## TIP Enhancement Funding (bicycle and pedestrian projects)

Program Description

Provides funding for bicycle and pedestrian facilities.

## Impact on Growth

Bicycle and pedestrian projects provide alternatives to automobiles, provide environmentally-friendly access to places of employment, schools, commercial and residential areas, and enhance the livability of communities. Bicycle and pedestrian networks can link neighborhoods to transit stations, thus facilitating the use of mass transit.

### Links to Other Programs

Walkable/Livable Communities Initiatives, Urban Transit, Commuter Rail, Transportation Plans and Corridor Protection Maps.

Contact
Tom Norman
DOT
Division of Bicycle and Pedestrian Transportation
919-715-2342
tnorman@dot.state.nc.us

#### **Urban Transit**

**Program Description** 

The urban transit program provides federal and state funds to local transit systems in areas with populations >50,000 to assist with their planning, capital and operating expenses. Planning funds can be used to study extending services, the relationship of land use and transportation and transportation demand management options. Capital funds are available to purchase replacement and expansion vehicles, constructing maintenance, transfer and multi modal centers and to implement advanced technologies. Operating funds are intended to assist with costs to provide fixed- route bus, paratransit and vanpool services.

## Impact on Growth

Could promote higher density, transit-oriented development near rail and bus stations and provide additional transportation options.

## Links to Other Programs

Historic Rail Station Rehabilitation, New Stations, and Multimodal Facilities, Passenger Rail (system improvements and new stations), Commuter Rail, Brownfields, Transportation Demand Management, Walkable/Livable Communities Initiatives.

Contact
Sanford Cross
DOT-Public Transportation Division
919-733-4713, ext. 241
Scross@dot.state.nc.us

# Planning and Management

## Bicycle and Pedestrian Transportation Program Development

**Program Description** 

Promotes the development of safe and efficient bicycle and pedestrian transportation systems to local government agencies, elected officials and citizens through technical assistance and innovative design solutions.

### Impact on Growth

By promoting alternative modes of transportation, the program could reduce reliance on the automobile.

## Links to Other Programs

Bicycle and Pedestrian Master Plans, Incidental Bicycle/Pedestrian Accommodations in Highway Projects, Transportation Plans and Corridor Protection Maps, Transportation Improvement Program, Walkable/Livable Communities Initiatives.

#### Contact

Tom Norman

DOT: Division of Bicycle and Pedestrian Transportation

919-715-2341

tnorman@dot.state.nc.us

## Incidental Bicycle/Pedestrian Accommodations in Highway Projects Program Description

The program seeks to incorporate bicycle and pedestrian projects (e.g., bike lanes and sidewalks), in highway construction projects.

### Impact on Growth

Bike lanes and pedestrian walkways can provide an alternative to automobile use, thus reducing traffic congestion. If planned in advance, individual bike lanes can be linked into a network of bike lanes and paths that connect residential areas to commercial facilities, transit stations and open space.

## Links to Other Programs

Transportation Plans and Corridor Protection Maps, Transportation Improvement Program, Building Highways, Urban Transit, Commuter Rail, TIP Enhancement Funding (bicycle and pedestrian projects), Bicycle and Pedestrian Master Plans, Bicycle and Pedestrian Transportation Assistance

Contact
Tom Norman
DOT
Division of Bicycle and Pedestrian Transportation
919-715-2342
tnorman@dot.state.nc.us

## **National Flood Insurance Program**

Program Description

A federal program that enables property owners in participating communities to purchase flood insurance. Communities that participate in the program must to adopt and enforce regulations to reduce flood risks. In exchange, the federal government will make flood insurance available within the community. Although this is a federal program, the state will continue to encourage local government participation.

## Impact on Growth

The program may encourage development in floodplains by reducing the risks of such development.

## Links to Other Programs

Local Park Planning and Funding, Local Planning and Management Grant Program, Hazard Mitigation Grant Program, Hazard Mitigation Planning Initiative.

Contact
Phil Letsinger
Division of Emergency Management
919-733-3359
pletsinger@ncem.org

## Solid Waste Capacity/Waste Reduction

**Program Description** 

The program helps local governments ensure that they have adequate solid waste facility capacity.

## Impact on Growth

Many industries seek availability of environmentally protective disposal capacity when making location decisions. Thus, the program could influence the location of industries in the state. Also, although uncommon, the lack of capacity of solid waste facilities could limit future residential, commercial and industrial growth.

## Links to Other Programs

Dept of commerce programs., Pollution Prevention and Environmental Assistance.

Contact
Dexter Mathews
DENR/Waste Management
919-733-0692, ext. 256
mathewsdr@wastenot.enr.state.nc.us

### Transportation/Travel Demand Management

**Program Description** 

Provides technical assistance through consultant services to public and private employers and organizations to help design strategies to increase the efficiency of the transportation system by influencing people's travel behavior by mode of choice, time of day, frequency of trips, trip length, cost or route. Program includes the administration of the state's regional vanpool activities.

### Impact on Growth

Strategies emphasize alternatives to the single occupant vehicle and could help lessen the rate of growth in vehicle miles traveled. Also, many strategies are more successful where there is a higher residential density and larger employment centers.

## Links to Other Programs

Regional Ridesharing Programs, Congestion Mitigation and Air Quality, Bicycle and Pedestrian Plans, Commuter Rail, Transportation Improvement Program, TIP Plan Review Process, Walkable Communities, Small Urban/Statewide Contingency Program, Urban Transit, TIP Enhancement Funding.

Contact
Sanford Cross
DOT-Public Transportation Division
919-733-4713, ext. 241
Scross@dot.state.nc.us

## **Transportation Plans and Corridor Protection Maps**

Program Description

Identifies future corridors and rights of way needed for future transportation projects.

## Impact on Growth

By identifying areas where future transportation projects will occur, the program precludes development in the corridors. It also could spur investment near these areas. The corridors could be used for roads or for other modes of transportation.

## Links to Other Programs

Transportation Improvement Program, Building Highways, Bicycle and Pedestrian Master Plans, Urban Transit, Commuter Rail, TIP Enhancement Funding (bicycle and pedestrian projects), Incidental Bicycle/Pedestrian Accommodations in Highway Projects.

Contact
Calvin Leggett
DOT: Planning and Programming
919-733-2031
Cleggett@mail.dot.state.nc.us

## **Transportation Planning**

**Program Description** 

The Statewide Planning Branch of the NCDOT, in conjunction with local areas and Metropolitan Planning Organizations, conducts long-range (20 year) transportation plans for local and regional areas.

## Impact on Growth

These transportation "thoroughfare" plans are formulated and periodically updated through an extensive coordinating process with local areas. The plans reflect local and regional land use considerations, growth projections, and travel demand modeling to arrive at long range traffic projections and corridor needs. The plans must be formally adopted by local jurisdictions.

## Links to Other Programs

Transportation Improvement Program, Building Highways, Bicycle and Pedestrian Master Plans, TIP Plan Review Process, Transportation Plans and Corridor Protection Maps, Small Urban/Statewide Contingency Program.

Contact
Blake Norwood
DOT - Statewide Planning
919-733-4705
norwood@dot.state.nc.us

#### **TIP Plan Review Process**

#### Program Description

Provides a comprehensive review and evaluation of all TIP projects from the feasibility stage through the design process. The review process involves a detailed traffic evaluation of all public transportation projects to ensure all measures are taken to address traffic safety, capacity and operations of each TIP project.

#### Impact on Growth

By enhancing the safety and operation of roads, the program helps serve the needs of existing as well as future traffic demands, and thus influence the amount and location of growth.

## Links to Other Programs

Building Highways, Small Urban/Statewide Contingency Program, Urban Transit, TIP Enhancement Funding, Intelligent Transportation Systems, Transportation Plans and Corridor Protection Maps, Transportation Demand Management

Contact
Gary Faulkner
DOT: Traffic Engineering
919-250-4151
gfaulkner@dot.statte.nc.us

# Information and Technical Assistance

## **Conservation Easement Program**

**Program Description** 

Encourages the use of conservation easements through information and education activities. Such easements typically limit or curtail the development potential of lands to which they apply.

#### Impact on Growth

Since the program was created in 1997, it has had no budget, so its impact on growth is limited.

## Links to Other Programs

Conservation Reserve Enhancement Program, Conservation Tax Credit Program, Water Supply Watershed Program, Local Planning and Management Grant Program, Wetlands Restoration Program, Neuse River Sensitive Waters Management Strategy.

#### Contact

Bill Flournoy
DENR/Legislative & Intergovernmental Affairs
919-715-4191

b\_flournoy@mail.enr.state.nc.us

### **Restoration Technical Services**

**Program Description** 

Provide technical assistance and information to owners of historic properties, architects, and contractors for historic restoration and rehabilitation projects.

### Impact on Growth

Restoration technical assistance helps property owners to conserve physically attractive and historically interesting structures, streetscapes, and districts. As a result, sprawl is reduced.

#### Links to Other Programs

Tax incentives, survey and registration, planning assistance to local government, Main Street, grants, and protection.

#### Contact

A. L. Honeycutt Jr. DCR: State Historic Preservation Office 919/733-6547 hpo@ncsl.dcr.state.nc.us

## **Historic Property Survey and Registration**

**Program Description** 

Oversee the statewide survey of historic properties. Assist recipients of federal matching grants for local surveys of historic resources. Support survey publications. Direct the preparation of nominations to the National Register of Historic Places.

## Impact on Growth

Survey and registration services help to identify properties that are eligible for protection through planning, as well as for enhancement through available grants and tax incentives. (Properties must be listed in the National Register in order to be eligible for state and federal tax credits for the rehabilitation of historic property.) The protection and enhancements that accompany registration foster the retention of historic resources, and therefore reduce sprawl.

## Links to Other Programs

Protection, restoration technical services, planning assistance to local government, Main Street, tax incentives, and grants.

#### Contact

Claudia Roberts Brown DCR: State Historic Preservation Office 919/733-6545 <a href="mailto:crbrown@ncsl.dcr.state.nc.us">crbrown@ncsl.dcr.state.nc.us</a>

#### **Historic Resources Protection**

**Program Description** 

Review all development projects that are funded, licensed, permitted, or assisted by federal or state agencies to determine their effect on the state's historically significant resources and to coordinate ways to reduce or avoid harm to them.

## Impact on Growth

The program discourages the unnecessary destruction of the state's historic properties. Thus, properties remain in place and communities maintain their physical attractiveness, character, and sustainability.

## Links to Other Programs

Survey and registration, restoration technical services, tax incentives, Main Street, planning assistance to local government, and grants.

#### Contact

Renee Gledhill-Earley

DCR: State Historic Preservation Office

919/733-4763

hpo@ncsl.dcr.state.nc.us

## Historic Preservation Technical Assistance to Local Government

Program Description

Provide consultation and technical assistance to local historic preservation commissions.

#### Impact on Growth

By building local capacity to designate and protect historic properties, historic business and residential areas are preserved and sprawl is curtailed.

## Links to Other Programs

Survey and registration, tax incentives, restoration technical services, Main Street, and grants.

#### Contact

Claudia Roberts Brown DCR: State Historic Preservation Office 919/733-6545 crbrown@ncsl.dcr.state.nc.us

## **Intergovernmental Review Process**

**Program Description** 

Provides state and local agencies with information about proposed state and federal activities that may affect their jurisdiction. This information is used to assist officials in planning and making informed decisions about proposed actions prior to funding and construction.

#### Impact on Growth

The information may be used during the environmental review of a proposed project. The review could be used to determine the fate of a proposed project, thus influencing growth in a particular area. For example, an environmental review of a proposed large industrial facility, which would spur growth in an area, could determine whether the project is permitted or not.

## Links to Other Programs

State Development Zones, Industrial Revenue Bonds, Industrial Development Fund.

Contact
Melba McGee
DENR/Legislative & Intergovernmental Affairs
919-715-4194
Melba\_McGee@mail.enr.state.nc.us

## Municipal and School Transportation Assistance

**Program Description** 

Conducts traffic engineering studies for schools, state agencies and small municipalities (under 50,000 in population) that lack an engineering staff.

## Impact on Growth

Through its analysis of intersection safety, pedestrian safety, traffic circulation, corridor optimization and other traffic issues, MSTA can influence the development and implementation of traffic programs and thus influence the amount and location of growth.

## Links to Other Programs

Subdivision Minimum Design Standards, TIP Plan Review Process, Small Urban/Statewide Contingency Program, Transportation Plans and Corridor Protection Maps, Transportation Demand Management, Walkable/Livable Communities Initiatives.

Contact
Joel Cranford
DOT: Traffic Engineering
919-250-4151
Jcranford@dot.state.nc.us

## Municipal Compliance Initiative (STP audits)

**Program Description** 

Provides technical assistance to local governments to help improve the performance of their wastewater treatment plants.

## Impact on Growth

By helping to ensure that local wastewater treatment plants meet federal discharge standards, the program could help remove a possible constraint (inadequate wastewater treatment) on future growth.

## Links to Other Programs

State Clean Water Revolving Loan and Grant Program, State Bond Fund, Federal Clean Water State Revolving Fund

Contact
Bobby Blowe
DENR/Water Quality
919-715-6212
bobby\_blowe@mail.enr.state.nc.us

#### **Pollution Prevention and Environmental Assistance**

Program Description

Provides technical assistance to businesses, industries, local governments and state agencies on ways to eliminate, reduce or recycle wastes before it enters the environment.

#### Impact on Growth

By reducing pollution, companies and cities can grow while reducing their impact on the environment.

#### Links to Other Programs

Dept of Commerce recruitment programs, Recycling Business Assistance Center.

Contact
Gary Hunt
DENR/PPEA
919-715-6508
garyhunt@p2pays.org

## **Recycling Business Assistance Center**

**Program Description** 

The program provides businesses with technical assistance on recycling. It helps facilitate communication and cooperation between the state's environmental and economic development communities by promoting programs that create jobs and recycling material capacity.

## Impact on Growth

The program could help encourage compatible industries (for example, an industry whose waste products could be used as feedstock by another industry) to locate near one another, thus reducing sprawl.

## Links to Other Programs

Pollution Prevention and Environmental Assistance,

#### Contact

Matt Ewadinger DENR/Pollution Prevention & Environmental Assistance 919-715-6504

matt\_ewadinger@p2pays.org

### State Trails Program

**Program Description** 

Provides technical assistance to local governments and other land managers in developing trails on their property.

### Impact on Growth

Trails and greenways provide open space and recreation areas that can make communities more livable.

### Links to Other Programs

Bicycle and Pedestrian Master Plans, Bicycle and Pedestrian Transportation, Conservation Easement Program, Hazard Mitigation Planning Initiative.

#### Contact

Darrell Mcbane DENR/Parks and Recreation 919-846-9991

darrell\_mcbane@mail.enr.state.nc.us

## Walkable/Livable Communities Initiatives

**Program Description** 

Funds and presents Initiatives across the state to train planners, engineers, local elected officials and advocates on how to promote and enhance pedestrian transportation by planning, designing, and building safe and attractive pedestrian facilities.

## Impact on Growth

By promoting more "pedestrian friendly" design, the program may result in a more balanced approach to the provision of transportation facilities.

## Links to Other Programs

Bicycle and Pedestrian Master Plans, TIP Enhancement Funding, Incidental Bicycle/Pedestrian Accommodations in Highway Projects, Transportation Plans and Corridor Protection Maps, Transportation Improvement Program, Municipal Assistance and Intermodal Management.

#### Contact

Mary Meletiou

DOT: Division of Bicycle and Pedestrian Transportation

919-715-2341

Mmeletiou@mail.dot.state.nc.us

# Resource Management

## **Conservation Reserve Enhancement Program**

**Program Description** 

The program helps protect water quality by purchasing, from farmers, easements along waterbodies (streams, rivers and ditches). Farmland subject to easements is removed from production.

## Impact on Growth

By providing farmers with a source of income, (from the sale of easements), and by reducing the amount of land subject to taxes, the program could help retain farms and thus reduce sprawl.

## Links to Other Programs

Conservation Tax Credit Program, Conservation Easement Program, Water Supply Watershed Program, Local Planning and Management Grant Program, Source Water Assessments, Wetlands Restoration Program, Neuse River Sensitive Waters Management Strategy.

#### Contact

Tim Baumgartner
DENR/Soil and Water Conservation
919-715-6107

<u>Tim\_Baumgartner@mail.enr.state.nc.us</u>

## **Conservation Tax Credit Program**

**Program Description** 

Landowners receive an income tax credit for donating interests in real property for conservation.

#### Impact on Growth

By preserving environmentally sensitive lands and other open spaces, the program can help steer growth to more appropriate areas and promote a higher quality of life.

Links to Other Programs

Conservation Easement Program, Conservation Reserve Program, Wetlands Restoration Program.

Contact
Bill Flournoy
Environment and Natural Resources
919-715-4191

#### **Farmland Preservation**

b\_flournoy@mail.enr.state.nc.us

Program Description
Preservation of farmland.

Impact on Growth Encourages preservation of farmland.

Links to Other Programs

Conservation Easement Program, Conservation Tax Credit Program.

Contact
Maurice Weaver
NCDA&CS: Fiscal Management
919-733-7314
maurice.weaver@ncmail.net

#### **Natural Heritage Inventories**

Program Description

Conducts biological inventories of natural areas in North Carolina. The inventories help identify high quality natural communities—particularly those that support rare plant or animal species—that should be protected. The inventory is maintained in a database that is available to planners, researchers and others. Inventories have been completed or are underway in sixty-six counties.

#### Impact on Growth

Identifies natural areas that should be protected from development through public purchase. In addition, the program provides information to planners, regulators and developers that can help them minimize the impacts of development. For example, it can show planners what sites to avoid in selecting the route for a highway.

#### Links to Other Programs

State Parks System, State Forest System, Local Planning and Management Grant Program, Conservation Easement Program, Conservation Tax Credit Program, Wetlands Restoration Program, Building Highways, Industrial Development Fund.

Contact
Linda Pearsall
DENR/Parks and Recreation
919-715-8691
linda pearsall@mail.enr.state.nc.us

#### **Neuse River Sensitive Waters Management Strategy**

**Program Description** 

This temporary rule requires that all new development activities maintain a 50-foot protected buffer next to all intermittent and perennial streams, rivers, lakes, ponds and estuaries in the Neuse River Basin that currently have adjacent forest vegetation.

#### Impact on Growth

The program help steer growth away from riparian areas and reduce the impacts of development on water quality.

#### Links to Other Programs

Water Supply Watershed Program, Local Planning and Management Grant Program, Source Water Assessments, Wetlands Restoration Program.

Contact Lin Xu DENR/Water Quality 919-733-5083, ext. 357 lin\_xu@h20.enr.state.nc.us

#### State Forest System

#### **Program Description**

The program helps protect and manage the forest resources of the state. There are an estimated 18.7 million acres of forest in North Carolina, most in private ownership. The Division of Forest Resources provides technical assistance and fire protection to these landowners to improve the management of the forests. In addition, it conducts an inventory of forest resources, monitors the health of forests and monitors water quality during logging operations.

#### Impact on Growth

Urbanization can lead to a loss of forests. Protection of forests can help steer growth to other areas. It can also improve the quality of existing urban areas by providing much-needed open space.

#### Links to Other Programs

Conservation Easement Program, Neuse River Sensitive Waters Management Strategy, Water Supply Watershed Protection Program, Natural Heritage Inventories, Industrial Development Fund, Industrial Revenue Bonds.

Contact
Stan Adams
DENR/Division of Forest Resources
919-733-2162
stan\_adams@mail.enr.state.nc.us

#### State Parks System

Program Description

Acquires biologically important sites, such as those identified in the natural heritage inventories, to protect them from development. Most state parks contain representative examples of unique natural communities of North Carolina.

#### Impact on Growth

The program protects environmentally sensitive areas from development, helps protect water quality, influences land use patterns and property values on adjacent and nearby lands, stimulates economic activities nearby, and enhances the quality of life by providing aesthetic value and recreational opportunities.

#### Links to Other Programs

Natural Heritage Inventories, Local Park Planning and Funding, State Forest System, Conservation Reserve Program.

Contact
Carol Tingley
DENR/Parks and Recreation
919-715-8691
carol\_tingley@mail.enr.state.nc.us

## Regulatory/Permitting

#### **Ambient Air Quality Standards Program**

**Program Description** 

The program sets and monitors ambient air quality standards for ozone, particulates and other pollutants.

#### Impact on Growth

Violation of ambient air quality standards could steer development to less polluted areas, particularly to rural or outlying suburban areas. This could lead to sprawl.

#### Links to Other Programs

Prevention of Significant Deterioration Program, Building Highways, Transportation Improvement Program, Small Urban/Statewide Contingency Program, Urban Transit, TIP Enhancement Funding, Intelligent Transportation Systems, Transportation Plans and Corridor Protection Maps, Transportation Demand Management.

Contact Brock Nicholson DENR/Air Quality 919-715-0587

brock\_nicholson@aq.enr.state.nc.us

#### **CAMA Permitting Program**

**Program Description** 

The program issues state permits for shoreline development in the 20 coastal counties. Rules or "use standards" for development are adopted by the Coastal Resources Commission under the authority of CAMA.

#### Impact on Growth

Although the current standards limit the construction of "growth-inducing public facilities" on the oceanfront portions of barrier islands, rules for development on the mainland do not consider whether development would promote or lessen sprawl.

#### Links to Other Programs

Local Planning and Management Grant Program, Hazard Mitigation Planning Initiative, Flood Mitigation Assistance Program, Hazard Mitigation Grant Program, National Flood Insurance Program.

Contact
Charles Jones
DENR/Coastal Management
252-808-2808
charles.jones@ncmail.net

#### Capacity Development/System Viability (water systems)

Program Description

Reviews plans for new water systems and examines their capacity to meet the technical, financial, and managerial criteria for compliance with the Safe Drinking Water Act.

#### Impact on Growth

Proposed water systems that fail to meet the criteria can be prohibited by the program. Rejection of proposed water systems could curtail development outside the service area of existing water systems.

#### Links to Other Programs

Water Supply Watershed Protection Program, State Clean Water Revolving Loan and Grant Program, State Bond Fund, & Federal Clean Water State Revolving Fund

Contact
Jessica Miles
DENR
919-715-3232
jessica\_miles@mail.enr.state.nc.us

#### Prevention of Significant Deterioration Program (air quality)

**Program Description** 

The program regulates the concentration levels of certain pollutants allowed to be added to a baseline level by larger (new or modified) air pollution sources. The incremental levels allowed are smaller for certain national parks and wilderness areas.

#### Impact on Growth

As the incremental levels of pollution are "consumed" by successive air pollutant sources, subsequent projects would tend to seek areas where increments are still available, thus spreading industry out.

Links to Other Programs

Ambient Air Quality Standards Program

Contact
Brock Nicholson
DENR/Air Quality
919-715-0587
brock\_nicholson@aq.enr.state.nc.us

#### Water Supply Watershed Protection Program

Program Description

Requires each local government with land use jurisdiction within a designated surface water supply watershed to adopt and implement ordinances to protect the drinking water.

#### Impact on Growth

The rules and ordinances establish limits on the density of development and require buffers along surface waters. The program affects the density and location of development.

#### Links to Other Programs

Federal Clean Water State Revolving Fund, State Clean Water Revolving Loan and Grant Program, Subdivision Minimum Design Standards, State Bond Fund, Local Planning and Management Grant Program, Conservation Easement Program, On-site Wastewater Program, Source Water Assessments, Hazardous Waste Reduction, Wetlands Restoration Program.

Contact
Steve Zoufaly
DENR
Division of Water Quality
919-733-5083, ext. 566
steve\_zoufaly@h2o.enr.state.nc.us

## Licensing and Standards

#### **Certified Industrial Sites**

**Program Description** 

Advantage West and the Global Transpark Development Region implement a certified industrial site program. Through this program, industrial sites can be certified if they meet certain criteria, including the availability of existing infrastructure.

#### Impact on Growth

The program could promote sprawl if it encourages water and sewer to be extended farther out from the urban core in order for a site to be certified. The program could provide high priority designations to urban infill sites that would not require the extension of water and sewer infrastructure.

#### Links to Other Programs

Global Transpark, State Development Zones, Brownfields, Industrial Development Fund, Industrial Revenue Bonds.

Contact
Jeff Fischbach
Department of Commerce
828-251-6914.

jfischbach@asheville-dca.commerce.state.nc.us

#### Subdivision Minimum Design Standards (for roads)

Program Description

Provides minimum design standards for subdivision and other roads to be added to the state highway system.

#### Impact on Growth

Through the use of state standards that influence the design of roads, the state could encourage the development of roads that are more "friendly" towards pedestrians and bicycles, while allowing more compact development.

#### Links to Other Programs

Walkable/Livable Communities Initiatives, Bicycle and Pedestrian Master Plans, Urban Transit, TIP Enhancement Funding (bicycle and pedestrian projects), Incidental Bicycle/Pedestrian Accommodations in Highway Projects.

Contact
Douglas Waters
NCDOH-Division 9
336-761-2200
Dwaters@dot.state.nc.us

### **Environmental Health**

#### **Hazardous Waste Reduction**

**Program Description** 

The program works with hazardous waste generators on waste reduction.

Impact on Growth

By working with the Department of Commerce as it recruits new industry to North Carolina, the program could identify opportunities for waste reduction up-front and perhaps influence the siting of new industrial facilities, based on opportunities for waste recycling.

Links to Other Programs

Pollution Prevention and Environmental Assistance, Recycling Business Assistance Center, Brownfields, Certified Industrial Sites.

Contact

Jill Burton

Acting Chief, Hazardous Waste Section

DENR

919-733-2178, ext. 219

burtonje@wastenot.enr.state.nc.us

#### Inactive Hazardous Waste Sites and Old Landfill Programs

Program Description

The program tracks old landfills, many of which predate the solid waste permit authority.

Impact on Growth

To protect public health, the program could limit or prohibit growth near old landfills.

Links to Other Programs

Inactive Hazardous Waste Sites, Brownfields.

Contact

Jack Butler

**DENR** 

919-733-2801, ext. 293

Butler@wastenot.enr.state.nc.us

#### **On-site Wastewater Program**

**Program Description** 

Develops and administers regulations for the siting and operation of on-site wastewater treatment systems (septic tanks).

#### Impact on Growth

The program determines which areas are suitable for the use of septic tank systems. Because the program concentrates on areas not served by central sewage systems, it promotes sprawl and development in small clusters. Each year, 40,000 – 50,000 new on-site wastewater systems are permitted by local health departments in the state.

#### Links to Other Programs

Federal Clean Water State Revolving Fund, State Clean Water Revolving Loan and Grant Program, Water Supply Watershed Program, State Bond Fund, Local Planning and Management Grant Program, Source Water Assessments.

Contact
Bill Jeter
DENR
919-715-3274
Bill Jeter@mail.enr.state.nc.us

#### **Source Water Assessments**

**Program Description** 

The Safe Drinking Water Act Amendments of 1996 require that all states establish Source Water Assessment Programs (SWAPs) and submit a plan to the Environmental Protection Agency detailing how they will delineate source water protection areas, inventory significant contaminants in these areas, and determine the susceptibility of each public water supply to contamination.

Source water assessments will allow the state to systematically address issues of potential contamination of public water supplies using existing data from established environmental programs. The SWAP plan is intended to act as a "lens" through which the state can assess priorities in other programs while focusing on the protection of drinking water as a primary goal in water quality management.

#### Impact on Growth

Information on the location of contaminant sources that may affect water supplies can influence the location of new water supply sources or the desire to expand the use of existing sources.

#### Links to Other Programs

Water Supply Watershed Program, Local Planning and Management Grant Program, On-site Wastewater Program, Inactive Hazardous Waste Sites, Pollution Prevention and Environmental Assistance.

Contact
Jessica Miles
DENR
919-715-3232
jessica\_miles@mail.enr.state.nc.us
also see www.deh.enr.state.nc.us/pws

#### Wetlands Restoration Program

Program Description (no description provided)

#### Impact on Growth

The program helps restore wetlands and streams impacted by development. Wetlands and streams with buffers can help preserve water quality by filtering runoff and reducing peak flows of stormwater. Thus, the preservation of wetlands and stream buffers can reduce the adverse environmental impacts of growth.

#### Links to Other Programs

Conservation Reserve Enhancement Program, Conservation Tax Credit Program, Water Supply Watershed Program, Local Planning and Management Grant Program, Neuse River Sensitive Waters Management Strategy, Intergovernmental Review Process.

Contact
Larry Hobbs
DENR
919-733-5313
larry hobbs@h2o.enr.state.nc.us

## Index of State Programs

#### A. State Programs Included in the Inventory

Ambient Air Quality Standards Program

Bicycle and Pedestrian Transportation Program Development

Bridge Repair/Replacement Program

**Brownfields** 

**Building Highways** 

**CAMA** Permitting Program

Capacity Development/System Viability (water systems)

**Certified Industrial Sites** 

Conservation Easement Program

Conservation Reserve Program

Conservation Tax Credit Program

Farmland Preservation

Flood Mitigation Assistance Program

Global Transpark

Hazard Mitigation Grant Program

Hazard Mitigation Planning Initiative

Hazardous Waste Reduction

**Historic Preservation Grants** 

Historic Preservation Tax Incentives

Historic Preservation Technical Assistance to Local Government

Historic Property Survey and Registration

Historic Rail Station Rehabilitation, New Stations, and Multimodal Facilities

**Historic Resources Protection** 

Inactive Hazardous Waste Sites and Old Landfill Programs

Industrial Development Fund

**Industrial Revenue Bonds** 

Incidental Bicycle/Pedestrian Accommodations in Highway Projects

Intergovernmental Review Process

Local Park Planning and Funding

Local Planning and Management Grant Program

Main Street Program

Municipal and School Transportation Assistance

Municipal Compliance Initiative (STP audits)

National Flood Insurance Program

Natural Heritage Inventories

Neuse River Sensitive Waters Management Strategy

On-site Wastewater Program

Passenger Rail (system improvements and new stations)

Pollution Prevention and Environmental Assistance

### **Index Continued**

PSD Program (air quality)

Public Beach and Coastal Waterfront Access

Rail Industrial Access

Recycling Business Assistance Center

Redevelopment of RCRA-permitted Sites

**Restoration Technical Services** 

Rural Rehabilitation Corporation

Small Cities Community Development Block Grants

Small Urban/Statewide Contingency Program

Solid Waste Capacity/Waste Reduction

Source Water Assessments

State Aid to Airports Program

State Clean Water Revolving Loan and Grant Program, State Bond Fund, &

Federal Clean Water State Revolving Fund

State Development Zones

State Forest System

State Parks System

State Trails System

Subdivision Minimum Design Standards (for roads)

TIP Enhancement Funding (bicycle and pedestrian projects)

**TIP Plan Review Process** 

Transportation Demand Management

Transportation Improvement Program

Transportation Plans and Corridor Protection Maps

Transportation Planning

**Urban Transit** 

Walkable/Livable Communities Initiatives

Water Supply Watershed Protection Program

Wetlands Restoration Program

#### B. State Programs Excluded from the Inventory

Access and Public Service Program

Advanced Public Transportation Technology

Agriculture Finance Authority

Air Service Enhancement

Airport Safety and Enhancement

Airport Systems Plan

**Community Transportation** 

Contract Resurfacing

**Division of Motor Vehicles** 

### **Index Continued**

**Encroachment Permit** 

**Elderly and Disabled Transportation Assistance** 

Ferry System

Highway Design Flexibility

Highway Design Standards

Highway Maintenance

**HTF Projects** 

**Intelligent Transport Systems** 

Left turn lanes

Local Agricultural Fairs Grants Program

Local Farmers' Markets Funds

Logo Signing

Maintenance and Roadway Enhancement Program

Median Crossover Guidelines

**Municipal Agreements** 

Navigational Aids Enhancement

**Outdoor Advertising** 

Policy on Street and Driveway Access to NC Highways

Rail Freight Assistance

Regional Transit/Transportation Authorities

**Rural Planning Organizations** 

Rural Regional Bus Service

Secondary Road Paving

State Employee Transit Pass

State Hazard Mitigation and Long-Term Recovery Advisory Group

**Tourist Oriented Signing** 

Traffic Count Program

**Traffic Operations** 

## **Appendix**

#### Summary of Impacts of State Programs with the Greatest Influence on Growth

State Program			Gro	Growth Impacts	acts		
	Location	Density	Quality	Туре	Amount	Pace	Cost
Building Highways	×				×	×	×
Transit improvements	×				X	×	×
Water and Sewer Funding <sup>1</sup>	×	×			×	×	
Industrial Development Fund	×			X	×		×
Industrial Revenue Bonds	×			X	×		×
On-Site Wasterwater Treatment	×	×			×		
Ambient Air Quality Standards	×	×		×	×		
Urban Transit	×	×			×		
Water Supply Watershed	×	×	×	×	×		
Local Planning and Management Grant Program	×	×	×	×	×	×	

The inventory provides a brief summary of over 60 state programs that influence growth in one way or another. The degree of influence varies by program. The ten programs with the greatest impact on growth are shown in the table above. The table indicates the type of impacts on growth for each of the ten programs. All ten programs shown influence the amount and location of growth, several affect the density and type of growth, and only a few affect the quality, pace and cost of growth.

This table could help the state identify which programs to focus on, depending on its smart growth. For example, the state may decide that it wants to focus initially on those programs that affect the pace and cost of growth. In this case, it should work with the first five programs listed in the table.

<sup>&</sup>lt;sup>1</sup> Includes the State Clean Water Revolving Loan and Grant Program, State Bond Fund, and the Federal Clean Water State Revolving

# Planning and Management

State Program	Growth Impacts						
	Location	Density	Quality	Туре	Amount	Pace	Cost
Building Highways	Х				Х	Х	Х
Transit improvements	X				X	Х	Х
Water and Sewer Funding	X	X			X	Х	
Industrial Development Fund	X			X	X		X
Industrial Revenue Bonds	X			X	X		X
On-Site Wasterwater Treatment	X	X			X		
Ambient Air Quality Standards	X	X		X	X		
Urban Transit	X	X			X		
Water Supply Watershed	X	X	X	X	Х		
Local Planning and Management Grant Program	Х	Х	Х	Х	Х	Х	

#### **Interagency Quality Growth Task Force**

Department of Environment and Natural Resources

Michael Shore

Rich Shaw

Department of Crime Control and Public Safety
Libby Haggerty
Todd Owen

Department of Transportation

Janet D'Ignazio

Larry Sams

Department of Commerce
Bill McNeill
John Berndt

Department of Agriculture Tom Slade

Department of Public Instruction
Ben Matthews
Jerry Knott

Department of Cultural Resources

Claudia Brown

Office of the Governor

Beau Mills

Kevin Cook

Lisa Rivers

This Inventory was compiled with the assistance of:

David Brower

David Salvesen

The Mitigation Planning Initiative Group

Department of City and Regional Planning

University of North Carolina-Chapel Hill